

DETAILED ACTION

Claims 19-21 and 23-37 are allowed in this Office Action (Renumber as 1-18).

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tina Gonka on 8/26/2010.

The application has been amended as follows:

Claims 19 and 21 are currently amended below:

19. (currently amended) An apparatus having embedded computer functions for controlling operation of a device, the apparatus comprising:

a communication connection for receiving a first file, wherein the first file is an XML file;

a storage for storing the first file;

wherein the first file is stored in the storage and includes ~~the~~ contents of one or more files arranged in a nested manner in accordance with a portrayed file directory structure within the first file itself for addressing contents of the first file in a hierarchical manner;

wherein the portrayed file directory structure operates as a file directory structure for the apparatus without using a separate descriptor file to define the file directory structure or a separate local file directory structure on the apparatus;

wherein the portrayed file directory structure in the first file comprises:

characteristic start symbols and characteristic end symbols to represent each hierarchy levels, wherein the symbols comprise representations of one or more directories, representations of one or more corresponding subdirectories nested therein, and representations of one or more files nested in one or more directories or subdirectories, in a manner representative of a physical hierarchical file directory structure, and

wherein the contents of each file in the portrayed file directory structure are stored between the respective characteristic symbols for each file, thereby allowing directories, subdirectories, and files to be directly addressable by means of the respective characteristic symbols,

said portrayed file directory structure enabling the apparatus to operate as a web server with hierarchical addressing, thereby enabling remote access to control or change operation of the device.

21. (currently amended) The apparatus as claimed in Claim 19, wherein the XML language of the first file, in which the portrayed file directory structure is stored, is an XML file and the XML language is used for the purpose of describing the portrayed file directory structure.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The prior arts of record, which are U.S. Publication Number 2002/0078065 (Aguilhon), International Publication Number WO 01/18633 (Carpentier) and U.S Patent Number 6,029,196 (Lenz), do not teach or fairly suggest that receiving a first file, wherein the first file is an XML file, and the first file is stored in a storage and includes contents of one or more files arranged in a nested manner in accordance with a portrayed file directory structure within the first file itself for addressing contents of the first file in a hierarchical manner, wherein the portrayed file directory structure operates as a file directory structure for the apparatus without using a separate descriptor file to define the file directory structure or a separate local file directory structure on the apparatus.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHONG NGUYEN whose telephone number is (571)270-1766. The examiner can normally be reached on Monday-Friday, 8:30am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on 571-272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Phong Nguyen/
Examiner, Art Unit 2162
August 26, 2010

/John Breene/

Supervisory Patent Examiner, Art Unit 2162